newscience

NEWS FOR MEMBERS AND FRIENDS OF THE SAINT LOUIS SCIENCE CENTER

SUMMER 2020



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Connect with curiosity.

Dear Friends of the Saint Louis Science Center,

I hope this letter finds each of you healthy and well. I know the past several months have cause stress and uncertainty in many ways, but this time has also allowed some reflection and I realize more than ever, how grateful I am for family, friends, my colleagues at the Science Center and you, our supporters, who stand with us through good times and tough

As we all have adapted to the changing world around us, I have been very proud of the Science Center team's ability to pivot to not just working remotely, but working remotely to bring your museum to you at home through virtual content that connects you with the science that is around us every day. From providing connections to local science experts, to hosting virtual member events and encouraging people to explore the night sky through Astronomy Facts of the Day, we are working hard to provide you with online experiences that help you and your family learn from home while having fun.

Now we are excited to introduce you to the first digital edition of NewScience. With this interactive format, you can read about the Science Center and science news, while also enriching and enhancing your experience by clicking on videos, photo galleries and other content. While providing you the deeper experience is extremely important, this format also provides more accessibility and serves as a cost savings effort during a time when we have had to close the doors to our guests for a lengthy amount of time. This is a way for us to test this format, while ensuring we are being good stewards of the funds entrusted to us by the community.

In this issue, you can learn more about the efforts to bring the Science Center to you, what is happening in science and technology and more. I encourage you to explore the added links and content to enjoy the more interactive experience the team put together especially for you.

Finally, as St. Louis and the world grapple with the COVID-19 pandemic, science is more important than ever. As a nonprofit, the Science Center relies on support from donors and members to keep our region connected to science learning. If you're able, please consider renewing your membership for another year or gifting a membership, becoming a Supporting Member or making a gift to the Science Center's Annual Fund.

We look forward to welcoming you back to the Science Center building in the near future, but in the meantime, thank you for your continued support and dedication to our organization.



Sincerely,

President and CEO

To ignite and sustain lifelong science and technology learning. Mission of the Saint Louis Science Center

Connect with us for updates, special events and fun science.









Hours

For hours of operation, please click here.

Contact

314.289.4400 slsc.org Saint Louis Science Center 5050 Oakland Avenue St. Louis, Missouri 63110

Membership

slsc.org/membership memberships@slsc.org

Reservations

Advanced Sales 314.289.4400

Education

Field trip information: slsc.org/field-trips Educator Resources: slsc.org/educator-resources Programming information: education@slsc.org

Events

Host your next private event at the Saint Louis Science Center. Services and catering provided by Saint Louis Science Center Events. For information: 314.533.8179

Accessibility

Complimentary wheelchairs and strollers available in the lobby. Motorized scooters are available for a rental fee. Personal Hearing Assistance Devices available at the OMNIMAX® Theater and Planetarium. Captiview captions devices available for all OMNIMAX films.

Official Partners

The Saint Louis Science Center gratefully acknowledges the support of our Official Partners.













Features



Online Museum

Connect with your museum – at home and online – with our digital resources that you can find on our website and social media channels.

Did You Know?

Put your knowledge to the test and learn something that you haven't before with interesting facts around exhibitions and OMNIMAX® films.

Science Never Stops

Whether you are at the Science Center interacting with our engaging galleries and programs or you're learning from home through your computer or phone, we have plenty of ways to help keep expanding your curious mind with these fun activities.

Community

Youth Exploring Science (YES) Teens provide a fundamental connection to our future and the community. Find out the ways they connect with science throughout the year. Plus, see if you can ace our Science Savvy quiz.

Your Support Matters

We are dedicated to fulfilling our mission of igniting and sustaining lifelong science and technology learning. Thank you for supporting the Saint Louis Science Center and the St. Louis community.



Engage with NewScience in a more interactive way. If you see this icon, click on it to see more content!

Connect with your museum from home

Engage with the Science Center - no matter where you are.



At the Saint Louis Science Center, our mission is to ignite and sustain lifelong science and technology learning. As we continue to explore and discover together, we want to offer you and the community more ways to connect with us and expand your minds outside the Science Center.

In an effort to take science and STEM-related content to the next level, we are dedicated to creating content that can be brought into your own living rooms and backyards. To ignite your imagination at home, we have launched an online museum that brings you science

experiments, Amazing Science Demonstrations, connections to local scientists, astronomy updates from the Planetarium team, live chats and so much more.

As a nonprofit organization and a free museum in the St. Louis community, your membership makes a big impact on our ability to support science literacy in the St. Louis region and allows us to continue to bring science to you through initiatives like these. We thank you for your continued support and hope you enjoy your new online museum.



Visit slsc.org/virtual-science for daily updates

Follow us on our social media platforms for the most current and up-to-date information. Use #MuseumFromHome and tag us on social with your science experiments.









You make our mission possible

Science from home with our members



Show us how you science!

Want the chance to be featured in the next edition of NewScience or our digital platforms?

Share with us your science experiments, demonstrations and photos of how you have been staying connected to science and technology at home. You can even share some of your finished experiments from within this edition. Send your photos to memberships@slsc.org.



New! Virtual Member Events

Newly introduced to our membership benefits, we are now providing virtual member events that take place through your computer or phone. We have shared virtual films, tours and question and answer sessions and look forward to future virtual events throughout the year.

We encourage you to be on the lookout via email for upcoming virtual member events. We hope to bring you expanded content that you can enjoy whether it be physically in our building or in the comfort of your own home

Watch our previously recorded virtual collections tour.



Thank you to all our members and your support throughout the years.

"I think the Science Center is a valuable asset to our community. It helps grow our future - the younger generation that will be our scientists and explorers."

- Dee McComb

"The Science Center allows you to explore the world and understand its facets and idiosyncrasies, including the ones you never knew were there."



Truths behind your favorite photographic landscapes

National Geographic: 50 Greatest Landscapes, a photography exhibition featuring 50 interesting and awe-inspiring landscapes from around the world, will be on display at the Science Center through the end of the year.





Yellowstone

More than a third of Yellowstone sits within the caldera of an active volcano that hasn't erupted in approximately 640,000 years. However, the heat from the magma powering that eruption still contributes to the park's famous geysers, hot springs, fumaroles and mud pots. According to researchers, another eruption happening in the next 10,000 years is "extremely unlikely," but scientists still monitor Yellowstone's thousands of small earthquakes and changes in geothermal gases for signs of an impending eruption.

Lake Natron in the Great Rift Valley (Border of Tanzania and Kenya)

This beautiful, vibrant red is a product of nature and science at its finest. Within the hyper-saline waters of Lake Natron in the Great Rift Valley, salt-loving algae react with the water to create the red color you see here. The lake's unique mineral content comes from the natural environment of surrounding volcanoes and its temperatures can reach 120 degrees Fahrenheit.



Stereograph Card

The Science Center has displayed many artifacts from its Collections Department to complement this exhibition, including this stereograph card.

The image on your left is part of a two-volume, hand-painted set produced by the Keystone View Company in 1905. Entitled the "Feast of Chrysanthemums," the card shows three Japanese women sitting in a garden of blooming chrysanthemums. For over a thousand years, the Japanese celebrated this autumn "royal" flower with a festival, and it is held in higher esteem than even the popular cherry blossom.



Have you ever heard about the hidden secrets in Leonardo da Vinci's works?

Da Vinci paved the way for the future of science, engineering, art and much more. He used many of his notebooks to collect his drawings, thoughts and observations. To the naked eye, the notebook looks like a hidden message or an entirely different language. However, the secret behind his "secret code" is that he wrote in mirror writing, where he would write full sentences backwards. In reality, all someone had to do was hold up a mirror to the books to "decipher" his code. Many speculate that he wrote backwards because he was a lefty and did not want to smudge the ink, while others speculate it was his way of keeping people from stealing his ideas.

Da Vinci The Exhibition has been extended to stay at the museum until September 7.

Visit slsc.org/davinci for updates and availability.

You Try – Hold up a mirror to the image below and see what the message says. Then, try your hand at writing your own secret message by writing backwards. Share it with us on social media and use #MuseumFromHome.

"The noblest pleasure is the joy of understanding"

- Leonardo da Vinci



Unique Facts Behind OMNIMAX® Films

Whether you have seen a recent OMNIMAX film or you are looking forward to seeing one in the future, let's test your knowledge around the Apollo 11 mission.

Visit slsc.org/omnimax for updates on showtimes.

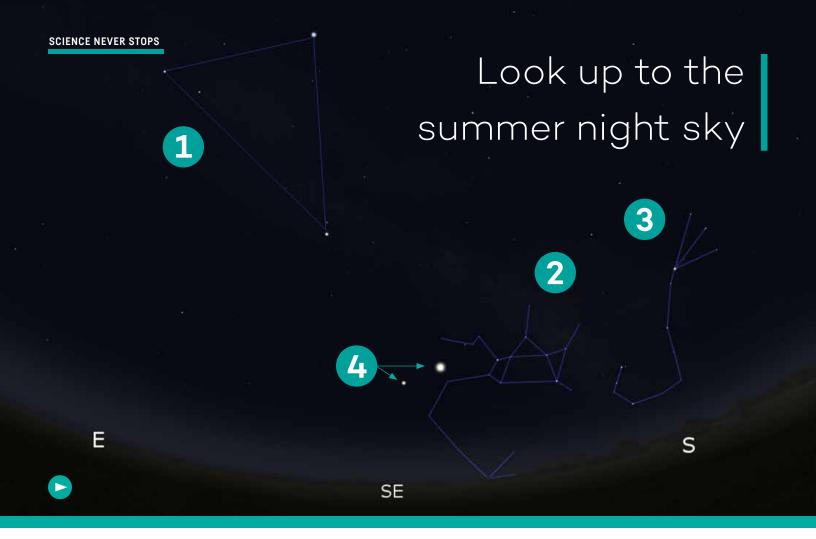


APOLLO 11 FACTS

Q. In July 1969, Apollo 11 safely landed on the moon. How many miles are there between the earth and the moon?

A. 240,000 miles. The spacecraft landed on the moon at 4pm EDT on July 20 and Neil Armstrong took the first step at 11pm EDT. 550 million people watched it on TV around the world. Fact 1: There is more computing power in your cell phone than the entire computing power for the Apollo 11 program. Computers were used for only a limited number of tasks on Apollo programs, such as guidance and communications. But these Apollo programs marked the first time computers were used, launching the computer era.

Fact 2: Margaret Hamilton, from MIT, is credited with inventing the term "software engineering" and wrote the actual computer code for the Apollo Guidance Computer that helped land the astronauts on the moon. Many women were part of the NASA team in the early space program leading up to Apollo. They worked on mathematical problems and were sometimes called the, "the human computers."



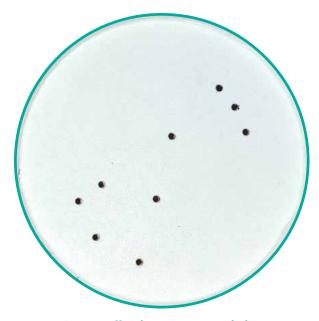
Bring the Planetarium to your backyard.

Under our 80-foot dome in the James S. McDonnell Planetarium, you are transported to a brilliant display of realistic stars during our star shows. The Zeiss Universarium Mark IX, our star projector, creates the largest artificial sky in the Western Hemisphere. Each of our star shows are presented live by Planetarium educators to engage with you and provide expertise on any questions you have about planets, stars, galaxies and beyond.

After every star show, we leave you with knowledge and expertise from phases of the moon to constellations that you can recognize from the comfort of your own backyard.

Do you know which constellations and planets are shown here?

In the image at the top of the summer night sky, there are 3 constellations and 2 planets— can you name them? Watch Kelsey Hubble, Educator in Student and Teacher Programs at the Science Center, explain what they are and when you can see them. Plus, do a constellation activity at home.



Constellation Cup Activity

Visit slsc.org/planetarium for updates on star show schedules.



SCIENCE @ HOME

Make your own ice cream!

A science experiment that tastes good.

Learn about physical and chemical properties and how molecular structure works. This experiment should be done with the assistance of adult supervision and will take between 40 minutes to 1 hour to construct.

Developed by the Saint Louis Science Center Community Science and YES Program.



Activity step-by-step instructions

- Add 1/4 cup sugar, 1/2 cup milk, 1/2 cup whipping cream, 1/4 teaspoon vanilla to a quart-sized baggie.
- Seal the baggie.
- Put two cups of ice into a gallon-sized baggie.
- Add $\frac{1}{2}$ to $\frac{3}{4}$ cup salt to the bag with ice.
- Place the sealed quart-sized bag inside the gallon bag.
- Seal the gallon-sized bag
- Gently rock the gallon-sized bag from side to side.
- Continue to do this for about 15 minutes.
- Open the gallon-sized bag, remove the quartsized bag and enjoy.

Materials

- + 1/2 cup milk
- + 1/3 cup whipping cream
- + 1/4 cup sugar
- + 1/4 teaspoon vanilla
- + 1/2 to 3/4 cup salt
- + 2 Cups ice
- + 1 quart-sized baggie
- + 1 gallon-sized baggie
- + Thermometer
- + Measuring cups and spoons
- + Cups and spoons for eating



Watch us do this experiment from home.



Science Explanation

The liquid mix should have frozen, and the actual ice should have melted quickly. But how can one thing melt while another freezes? In order for ice to melt, it must absorb heat. (Picture what happens to ice cubes in a drink. The ice melts, and the drink gets cool.) In our experiment, the ice absorbed heat from the ice cream mix and caused it to freeze. We typically see this heat absorption, or ice melting, over time. However, with the addition of salt, it happened more quickly.



Water **Painting**

Lesson plan provided by the Discovery Room. Designed for kids ages 2-8.

Want a mess-free and easy activity for your kids to do? Water painting is the perfect solution and is a great way to practice fine motor skills and creativity at home.

Materials

- + Shallow container with some water
- + Painting tool, such as a brush
- + A surface (e.g., fence, patio, driveway, etc.)

Try This

- Use a wet paintbrush or cotton ball on dark paper. Talk about what happens to the paper as your child paints and as the water dries.
- Paint with water outside on concrete. Talk about the changes your child notices after they paint the concrete. What happens when the sun comes out?
- Paint in the bathtub or on shower walls. Consider adding color to the water with food coloring or make washable colored water by leaving one or more open markers in a cup of water for a few days.

Visit slsc.org/discovery-room for Discovery Room updates.

What are Axolotls?

Axolotls are aquatic salamanders that have recently gained popularity because of their "smiling" faces and puppy dog demeanor. What makes these cute critters so interesting, though, is the fact that they have extreme regeneration abilities.

Unlike some other regenerating creatures, axolotls can regenerate entire limbs, eyes and even parts of the heart. Scientists have been studying them for more than 150 years and still are not entirely sure how they do it. However, scientists have discovered blastema, a special clump of cells that covers the injury site.

These cells turn into various types of body cells needed to regrow the lost limb. In mammals, wounds heal rapidly and tough scars are formed. With axolotls, the blastema seals off the wound and prevents scarring, allowing more time for the regeneration process to grow a perfect new limb. Scientists hope that they learn more about their abilities as it could help with breakthroughs in modern medicine.

Visit slsc.org/life-science-lab for updates.



Information on axolotls was provided by the Life Science Lab. The Life Science Lab is home to a collection of unique critters, and the most unique of all are our axolotls. You can see these animals in person in the Life Science Lab.

Create your own **Rube Goldberg**

This at-home activity was created by the Makerspace Gallery. Designed for ages 8+.

One of our favorite ways to develop problem-solving skills in the Makerspace classroom is to create a Rube Goldberg Machine.

What is a Rube Goldberg Machine?

It is a device created to complete a simple result through silly and complicated chain reactions. While they're an incredibly fun challenge, they can teach us about physics, engineering and teamwork.

How Do I Make One?

Step 1:

Find your goal. Gather your family or housemates and decide on what you'd like to accomplish. It could be pushing down the lever on a toaster, making an automatic petfeeder, or turning on a light switch from across the room.







Gather knowledge. Once you've decided the task to be completed, figure out all the parts you need to reach it such as toys, tape and art supplies. Research what simple machines are and how they can help.

TRY AGAIN



Brainstorm! Think through complicated ideas and explain them with others, sketch a plan and share with your teammates. Rube Goldberg Machines can get really complicated. Keep each step of the chain reaction simple.

Step 4:



Step 5:

Improve. It's very rare to succeed on your first try. Remember that failing is frustrating but helps you figure out what won't work. Figure out what went wrong and try again.

We can't wait to see what you came up with. Share your Rube Goldberg machine and you could be featured in the next edition of NewScience, on the website or through the Science Center's social media. Email us at memberships@slsc.org.

Visit slsc.org/makerspace for updates.



The GROW Gallery has continued to evolve and expand over the past 4 years. The central focus of the gallery is to provide exhibits and activities that showcase how we all have a role to play in the stewardship of our food supply. In other words, we all eat, but what we think about food is shaped by our history, personal tastes, culture and society and has a direct impact on our food supply and food production.

Now, more than ever, with the impact of COVID-19, we are reminded of how crucial this food process is to our society. Farmers are on the front lines and are being called to help with the demand of grocery stores as more people stay home and opt to eat more home cooked meals. With the added pressure on our food chain and the shift in behavioral activities, we are seeing a new

food process and a new world emerge for our farmers as they continue to provide us with this essential need.

The outdoor experience created in the GROW Gallery has never seemed as important as it does in light of our current situation. You can discover more about our regions hard-working farmers and ranchers, the crops and livestock they raise and the advanced science and the technology they use to feed the world through this unique gallery. The acreage features gardens that include specialty crops like tomatoes, lettuce, garlic and peas and an orchard with peaches, plums, apples and even figs.

Not only does GROW have a variety of living spaces to explore, combine demonstrations, featuring our big red CASE IH Combine,

highlight the role of technology in harvesting grains like rice, corn and wheat.

Our GROW gallery showcases what our regional farmers do, how they bring food from harvest to home, and how they work to support innovations in food production.

We are grateful to be able to offer this one-of-a-kind gallery and are incredibly fortunate to have our Missouri and Illinois farm families to support and guide us as we inform and inspire you with the story of agriculture and its vital role in today's local and global economies.

Thank you to our partners:









"Everyone from the supply chain to the farmers are showing up to work hard every day... I am very proud to be a dairy farmer and to continue to work hard for America. We are all in this together."

Madi Scubal, Prairie Farms Dairy Farmer



The GROW Gallery Planting Plan

Hannah Reinhart, the GROW Plant and Animal Manager, is the person responsible for making sure the plants and animals thrive.

When developing a plan for the gallery, Hannah tries to keep a couple of things top of mind. First, she features plants that everyone can relate to, whether they're a novice gardener or an experienced one, but second, she features ones that are still surprising and new to the gallery.

This summer, Hannah and the GROW team have selected some unusual specialty crops and plants like luffa squash and teosinte. Luffa squash can be eaten fresh when small and tender or, if left on the vine, can be dried to be used as a luffa sponge. Teosinte is corn's ancient ancestor and will be grown next to modern corn so you can observe the differences between the two.







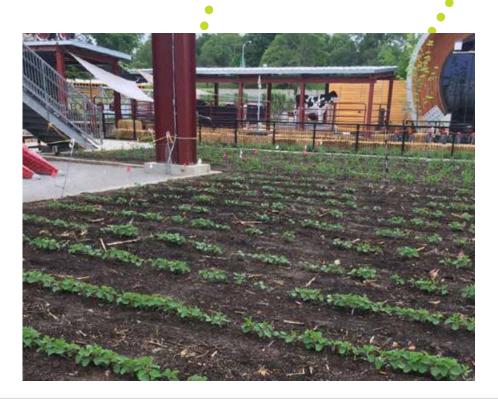
Tips for Gardeners

When beginning to garden, plant what you like to eat first before experimenting. You want what's grown to go to good use and not to waste.

Think about how much space you have. Crops like tomatoes are very popular but take up too much room and won't produce as much as you would like. Plant a cherry tomato for an ample harvest if you do want tomatoes.

If you don't have a lot of space, think about using "square foot gardening," which divides the planting area into individual square feet and helps plan the proper amount for each crop.

Save your seeds. Reserve a small portion of your crop to dry out and harvest the seed.





Thank Goodness It's Friday

Since 2011, the first Friday of the month has allowed members and guests to immerse themselves in after-hours exploration of a specific theme around science-fiction, fantasy and more. Past events have spanned Star Trek and Harry Potter to broader topics like filmmaking and are designed for a more grown-up audience to experience science in a fun and unexpected way.

As one of the Science Center's free events, everyone also has the chance to connect with a wide variety of community partners and vendors such as St. Louis Space Frontier, The St. Louis Game Developer Co-Op or Archreactor. Many of these partners and vendors are passionate about science and technology and love to engage with guests.

While there, you can interact with the kind of informal science education that makes learning approachable and fun. From members and guests to the Science Center team, no one's shy about showing their support and enthusiasm. The passion and dedication that are put into First Friday are key to continuing to bring our mission to the community, members and donors.



Learn about the future of First Friday virtual events and how we will continue to connect with the community.



Visit slsc.org/firstfriday for event information.

2019 was our biggest year yet!



Number of Number of workshops for quests for guests

Number of vendors and partners



STEM content meets SciFest

As one of our longest running events, the SciFest series offers multiple opportunities to connect the community to scientists, engineers, and other local STEM experts.

If you've ever been to a SciFest before, it's impossible not to notice the energy buzzing around the Science Center. There's a captivating level of excitement guests bring and leave with, and as a free, day-long event, it makes powerful connections between the museum and the community.

Unique themes for each SciFest allow guests to explore fun science experiences across a variety of science areas, and with a diverse roster of outside partners and vendors. Last year, eight different SciFests covered areas like engineering (February's Engineering Expo), animals (Animal Kingdom Expo in April), the outdoors (The Great Outdoors Expo in October) and health (November's Health Expo).

"[Noticing repeat families between SciFests] gets me excited about participating in more of these events. It shows that we're generating interest in STEM, and people want to spend their weekends learning about it. I'm optimistic that the next generation of scientists, mathematicians and engineers

are walking in those doors because of the positive impact that the Science Center has had on their lives" said Christopher Pacia, PhD student, Department of Biomedical Engineering at Washington Univeristy in St. Louis and a repeat partner at SciFest.

Organizing and guiding each event is Ruth Watt, manager of STEM events for the Science Center.

"As both a scientist and educator, I love how SciFests are designed to connect the community directly with STEM professionals and experts. SciFest presents a unique opportunity to visit and learn alongside a range of experts gathered for the day. From black holes to animal care, meteorology to palentontology, agriculture to aerospace, there's something for everyone to explore throughout the Science Center's SciFest event series."

Science and education is at the forefront of each crafted SciFest. We look forward to future events as we continue to bring our community to our partners and our partners to our community.

Visit slsc.org/scifest for information on upcoming events.



Hear why our partners love the Science Center.



St. Louis Teens Construct CANStruction

This past February, forty teens from Hindu, Muslim, Jewish and Christian faiths joined teens from the Science Center's Youth Exploring Science (YES) program to create a unique mural from canned goods. For the seventh year, The Center for Indian Cultural Education - Bal Vihar of St. Louis and Interfaith Quest have organized this collaborative project in partnership with the Science Center.

The teens themed the CANStruction mural "Seeing the Connections" as inspired by the Saint Louis Science Center's 2020 exhibition, Da Vinci The Exhibition. The mural illustrated the harmony between Leonardo's famous drawing (The Vitruvian Man) and the universality of all religions that the interfaith groups work towards. Like the Vitruvian Man, this mural tries to illustrate that all religions share a common framework to help mankind live in this universe. "A mixture of art and STEM created this extraordinary structure that calls for hope, peace, love and understanding among us all," said Marlynn Chambers, Manager of the YES Teen Ambassadors program. "We are excited for the Saint Louis Science Center to once again be the hub for this interfaith, interdisciplinary project where people from our diverse community can come together."



The Saint Louis Science Center Gratefully **Acknowledges CANStruction Partners**

All 2,000 canned goods were donated to Operation Food Search









Pop-Up Science

Throughout the year, the Science Center created "pop-up" science programming designed to get the Science Center out into the community, particularly to communities that are underserved or cannot make it out to the Science Center. Whether they're at a park, a library or a hospital, these events offer free hands-on activities for kids of all ages.

In summer 2019, the program expanded to new partners and sites. Teens from our Youth Exploring Science (YES) program brought activities from slime to drone demos during their community outreach.

As we expand and grow, we plan to continue turning outward and reaching out to new organizations with whom we can partner for events. Some future activities include offering a drone cage where visitors can safely fly drones in their neighborhood, expanding pop-up science into the Illinois area and heading to the Julia Davis library for food programming hours.

Learn more about our YES program. Visit slsc.org/yes.

Science Savvy

YES Teens bring you the Science Savvy Series

Last summer the Media Production Youth Exploring Science (YES) teens turned outward through the Science Savvy Series Challenge. The main goal is to bring science to the community and the community to the Saint Louis Science Center. It's a fun opportunity to engage the community with quick questions that are connected to science, an exhibit or experience. The YES teens quizzed St. Louisans about space to see if they could get the right answers. Now it's your turn to see how you fare with other St. Louisans. Take our space quiz below.

1 How many planets are in our solar system and name them?



Are you science savvy?

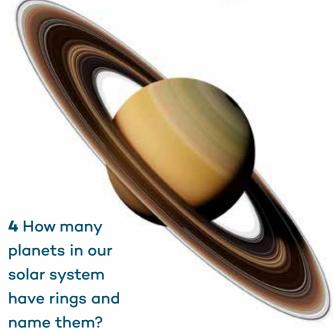


2 What are the two types of planets in our solar system?



3 How many planets in our solar system are made of rock and name them?





Once you've taken the quiz, find out if you got the right answers here.



Ways to Show Individual Support

The Science Center offers a variety of ways for individuals to show their support. Visit our website at slsc.org/support to learn more about how you can make an impact, or support the Science Center today using the links below.

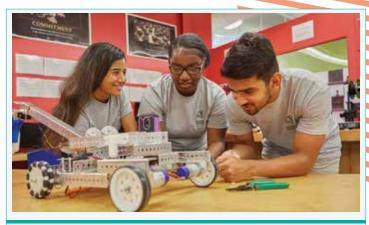
A Message From the Saint Louis Science Center





Annual Fund

The Science Center's Annual Fund is the engine that powers everything we do-from our free public events and Amazing Science Demonstrations shown at Energy Stage to our educator outreach and development programs. The Annual Fund is also the resource that enables our over 200 missiondriven educators, STEM professionals and behind-the-scenes colleagues to connect with the community every day.



Youth Exploring Science



For over 20 years, the Youth Exploring Science (YES) program has enabled at-risk teens to build a transformative interest in science and technology. Working closely with educators and STEM professionals, YES teens gain academic and real-world experience and skills to pursue STEM careers.



Supporting Memberships >



Supporting memberships bring an enhanced level of support for our education programs, outreach efforts, and daily operation. In addition to regular member benefits, Supporting Members enjoy unique ways to engage with the Science Center through special previews and events.



You shop. Amazon gives.

Amazon Smile



Shop Amazon at smile.amazon.com and choose the Saint Louis Science Center Foundation as your charitable organization of choice. Then, when you shop using Amazon Smile, Amazon donates 0.5% of your eligible purchases to the Science Center. You shop, Amazon gives.

From all of us at the Science Center, we thank you. Your support means everything because it makes everything possible.

Share Your Membership Story

We want to hear your stories, too! Send us a story at *memberships@slsc.org*.

Wayne & Betty Johnson's Story

Wayne and Betty Johnson's favorite moments at the Science Center revolve around a members-only experience for the special exhibition at the time, *Destination Moon*.

"This was where we first met the Science Center membership team, which has led to a great friendship today," Betty said.

After seeing the Apollo 11 capsule, Wayne and Betty decided to make their upcoming wedding themed around the moon landing and their date was set for July 20, 2019 – the 50th anniversary of Apollo 11.

The day of their wedding was the same day as an exclusive members event at the Science Center, where engineers from the Apollo Missions talked about their experiences.

"Wayne was not going to miss it. I think he would have been late for our wedding in order to meet these guys. Wayne had the opportunity to ask many questions. This created the most special day all around." Betty said.







